

at least one outlet for discharging the mixture, and  
a drive region which is provided on the rotatable part of the mixer,  
the inner body and the termination element forming the stator of the  
mixer, and the housing forming the rotor of the mixer.

2. (Amended) The dynamic mixer as claimed in claim 1, in which the  
drive region is arranged eccentrically in relation to the axis.

3. (Amended) The dynamic mixer as claimed in claim 1, in which  
interengaging mixer blades are provided on the outside of the inner body and on the  
inside of the housing.

4. (Amended) The mixer as claimed in claim 1, in which the outlet is  
provided at an end face of the inner body.

5. (Amended) The mixer as claimed in claim 1, in which the housing has  
a drive region on its outer circumference.

6. (Amended) The mixer as claimed in claim 5, in which the drive region  
is driven in a non-positively locking manner.

7. (Amended) The mixer as claimed in claim 5, in which the drive region  
is driven in a positively locking manner.

8. (Amended) A kit comprising a dynamic mixer as claimed in claim 1  
and a cartridge with at least two openings and at least two chambers for  
accommodating substances which are to be stored separately, it being the case that  
the inlet openings of the mixer can be connected reversibly, or are already connected  
fixedly, to the outlet openings of the cartridge.

9. (Amended) A mixing arrangement comprising a delivery unit for the  
substances which are to be mixed, a drive element and a dynamic mixer as claimed

in claim 1, the drive element not opening out into the common axis formed by the housing and inner body of the mixer.

11. (Amended) A mixing process comprising the following steps: a) introducing into the inlet openings of a mixer as claimed in claim 1 at least two substances which are to be mixed, b) rotating the housing of the mixer.

12. (Amended) Use of a mixer as claimed in claim 1 for mixing dental compounds.

Please add the following new claims:

13. (New) Use of a kit as claimed in claim 8 for mixing dental compounds.

14. (New) Use of a mixing arrangement as claimed in claim 9 for mixing dental compounds.

15. (New) A dynamic mixer for mixing a plurality of components to form a dental compound mixture comprising:

an inner body

a housing surrounding the inner body with formation of a mixing chamber,

inlet openings to the mixing chamber for accommodating supply of components to be mixed,

at least one outlet for discharging a mixture formed in the mixing chamber, and

drive structure provided on the housing for accommodating driving of the housing with respect to the inner body to carry out mixing operations in the mixing chamber.

16. (New) A dynamic mixer according claim 15, wherein said housing and inner body are rotatable with respect to one another about a common axis.

17. (New) A dynamic mixer according to claim 16, wherein said inner body is rotably fixed and said housing is rotated with respect to the inner body during mixing operations, and

wherein the inlet openings are provided on one axial end of the inner body.

18. (New) A dynamic mixer according to claim 15, wherein interengaging mixer blades are provided on a radial outer surface of the inner body and a radial inner surface of the housing.

19. (New) A dynamic mixer according to claim 17, wherein interengaging mixer blades are provided on a radial outer surface of the inner body and a radial inner surface of the housing.

20. (New) A dynamic mixer according to claim 15, wherein said drive structure includes gear structure engageable with gear structure of a driving gear.

21. (New) A dynamic mixer according to claim 15, wherein said drive structure includes a surface engageable with a drive belt operable to rotate the housing.

22. (New) A method of making a dental compound mixture by mixing a plurality of components to form the dental compound mixture using a dynamic mixer which has an inner body, a housing surrounding the inner body to form a mixing chamber together with the inner body, inlet openings to the mixing chamber for supplying respective components, and at least one mixing chamber outlet opening for discharging a dental compound mixture from the mixing chamber, said method comprising:

supplying components under pressure through the inlet openings to the mixing chamber, and

mixing the components in the mixing chamber by rotatably driving the housing around the inner body while maintaining the inner body in a relatively fixed position.

23. (New) A method according to claim 22, wherein said housing and inner body are rotatable with respect to one another about a common axis.

24. (New) A method according to claim 23, wherein interengaging mixer blades are provided on a radial outer surface of the inner body and a radial inner surface of the housing.

25. (New) A method according to claims 24, wherein said inlet openings are provided on an axial end of the inner body, and wherein said supplying components includes placing at least one component containing cartridge in communication with respective ones of said inlet openings and applying pressure to the components in said at least one cartridge.

26. (New) A kit including:

at least one cartridge containing respective viscous components for forming a dental compound, and

a dynamic mixer for mixing the components from the at least one cartridge, said dynamic mixer comprising:

an inner body

a housing surrounding the inner body with formation of a mixing chamber,

inlet openings to the mixing chamber for accommodating supply of components to be mixed,

at least one outlet for discharging a mixture formed in the mixing chamber, and

drive structure provided on the housing for accommodating driving of the housing with respect to the inner body to carry out mixing operations in the mixing chamber.

27. (New) A kit according to claim 26, wherein said housing and inner body are rotatable with respect to one another about a common axis.

28. (New) A kit according to claim 27, wherein said inner body is rotably fixed and said housing is rotated with respect to the inner body during mixing operations, and

wherein the inlet openings are provided on one axial end of the inner body.

29. (New) A kit according to claim 27, wherein interengaging mixer blades are provided on a radial outer surface of the inner body and a radial inner surface of the housing.

30. (New) A cartridge adapted to supply at least one component to a dynamic mixer for mixing a plurality of components to form a dental compound mixture, said dynamic mixer comprising:

an inner body

a housing surrounding the inner body with formation of a mixing chamber,

inlet openings to the mixing chamber for accommodating supply of components to be mixed, at least one outlet for discharging a mixture formed in the mixing chamber, and

drive structure provided on the housing for accommodating driving of the housing with respect to the inner body to carry out mixing operations in the mixing chamber,

wherein said cartridge is adapted to interface with at least one of said inlet openings during mixing operations.

31. (New) A cartridge according to claim 30, wherein said inner body includes a pair of inlet openings disposed side by side about an end of said inner body, and wherein said cartridge includes a pair of chambers adapted to interface with the inlet openings.